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TITLE: Fire access control system for independent shared files in multitasking type information processing appts - in which contents of file updated by particular process, during shared file access, is made available to all other processes that currently share that file

PATENT-ASSIGNEE: NEC CORP[NIDE]

PRIORITY-DATA: 1995JP-0100722 (March 31, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 08272667 A	October 18, 1996	N/A	006	G06F 012/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 08272667A	N/A	1995JP-0100722	March 31, 1995

INT-CL (IPC): G06F009/46, G06F012/00

ABSTRACTED-PUB-NO: JP 08272667A

BASIC-ABSTRACT:

The system includes an independent access control device (101), a shared access control device (102) and a shared file memory (105). A file access demand from a process is given as input to the independent access control device. The necessity is performed only when the file is not under access by any other process. Otherwise, the independent file access demand is added to the waiting line queue. When the access demand is shared for a file, the shared file is read into the shared file memory.

The read and write operation of the shared file is done by shared file control device. When the contents of a file is updated by a particular process at the time of shared file access, the updating file is made available to all the process that currently use the file.

ADVANTAGE - Enables each process to access newest file always. Improves efficiency and reliability.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: FIRE ACCESS CONTROL SYSTEM INDEPENDENT SHARE FILE TYPE INFORMATION PROCESS APPARATUS CONTENT FILE UPDATE PROCESS SHARE FILE ACCESS MADE AVAILABLE PROCESS CURRENT SHARE FILE

DERWENT-CLASS: T01

EPI-CODES: T01-F02; T01-H01A;

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